Electronic Information Disclosure Statement

BACK-FLUSHABLE SPIRAL WOUND FILTER AND METHODS OF MAKING AND USING SAME

Application:

Confirmation:

0/01892

Applicant(s):

8210

Docket Number:

PETER KNAPPE

Group Art Unit:

73995 1723

Examiner:

search string:

(6120688).pn.

RECEIVED 1700

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
PO1	6120688	2000-09-19		DALY ET AL.	210	650

Signature

Examiner Name	Date
Joseph Drodge	9-11-2003

APP_ID=10018923

Page 1 of 2

OIPE		
FORM PTO/SB/08A/B (10-04) Substitute for PTO-1449A/B MAR 2 1.2002	Attorney Docket Number	33683/TJD/T358
INFORMATION DECLOSIVE	Application Number	10/018,923
MADE	Filing Date	December 19, 2001
STATEMENT BY APPLICANT	Applicant(s)	Peter Knappe, et al.
(use as many sheets as necessary)	Group Art Unit	_Unknown 1723
(www.massacty)	Examiner Name	To Be Assigned DROBE

	,	U	S. PATENT DOCUM	ENTS	
EXAMINER INITIALS	Cite No.¹	DOCUMENT NUMBER Number - kind code ² - (If known)	PUBLICATION I MM-DD-YYY		NAME OF PATENTEE
TWD	ļ	3912624	10/14/1975		Jennings R
		3966616	06/29/1976		Bray
		4548714	10/22/1985		Kirwan, Jr. et al.
		4687522	08/18/1987		Hayashi et al.
		4767539	08/30/1988		Ford
		5069793	12/03/1991		Kaschemekat et al.
		US005236643A	08/17/1993		Tseng et al.
		US005352362A	10/04/1994		Mizutani et al.
		US005576057A	11/19/1996		Hirose et al.
		US005614099A	03/25/1997		Hirose et al.
		US005639373A	06/17/1997		Mahendran et al.
		US005674398A	10/07/1997		Hirose et al.
		US005690830A	11/25/1997		Ohtani et al.
		US005733602A	03/31/1998		Hirose et al.
		US005744039A	04/28/1998		Itoh et al.
4/		US005843351A	12/01/1998	1/	Hirose et al.
V		US005888605A	03/30/1999	1/	Hachisuka et al.
DME		US005910357A	06/08/1999		Hachisuka et al.

		FOREI	GN PATENT DO	CUMENTS	
EXAMINER INITIALS	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	CUSSMURION
JWD		EP 0 581 544 A2	02-02-1994	Exxon Research and Engineering Co.	1
W()		EP 0 584 411 A1	03-02-1994	Texaco Development Corporation	

EXAMINER SIGNATURE	Joseph Onlyk	DATE CONSIDERED	9_1/	- 9023
EYAMINED: Initio	lif reference considered that		///	- Was

erence considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation u not in number (optional). 'See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. 'Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)

PTO Form 1449

Atty Docket No.	Application No.	
DI-5884	10/155,660	
Applicant		
F P		
	n, Jr., et al.	
* *	n, Jr., et al. Group	

		U.S. PATENT DO	CUMENTS			
Examiner's Initials	Document Number	Publication Date	Country	Class	Subclass	Filing Date If Appropriate
					D	
					HEC	EIVER
					JAN 2	2003
		· · · · · · · · · · · · · · · · · · ·			1017	00

		FOREIGN PATENT	DOCUMENT:	S			
Examiner's	Document	Publication				Trans	lation
Initials	Number	Date	Country	Class	Subclass	Yes	No
TWU	19814695 A1	October 14, 1999	Germany				-
1	0 660 725 B1	July 5, 1995	EPO				
	0 847 769 A	June 17, 1998	EPO				
	0 856 320 A	August 5, 1998	EPO	2			11
	0 956 876 A1	November 17, 1999	EPO		4/		11
200	11-347115	December 21, 1999	Japan	1	74	1	

Examiner's Initials	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner:	Someth 1	Insdae	Date Consid	lered: 9—19—1	003	
Draw line t	Initial if citation	considered, whether	or not citation is in and not considered.	conformance wit	h MPEP S	ection 609 with nex

- PE VO
FORM PTO/SB/08A/B (10-01) Substitute for PTO-1449A/B
INFORMATION DISCLOSUBE
CONTRACTOR DAY Y DOLLOWING

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	33683/TJD/T358		
Application Number	10/018,923		
Filing Date	December 19, 2001		
Applicant(s)	Peter Knappe, et al.		
Group Art Unit	1723		
Examiner Name	To Be Assign DODGE		

			U.S. PATENT DOCUM	MENTS	Man Day Will
EXAMINER INITIALS	Cite No.'	DOCUMENT NUMBER Number · kind code ² · (If known)	PUBLICATION MM-DD-YYY		
JWD		3386583	06/04/1968		Merten 9
		3813334	05/28/1974		Bray
		3933646	01/20/1976		Kanamaru et al.
		4668384	05/26/1987		Holman
		4834881	05/30/1989		Sawada et al.
		4872990	10/10/1989		Van Wijk
		5290446	03/01/1994	V	Degen et al.
TWO		US6190557B1	02/20/2001	-4	Hisada et al.

		FOREIG	N PATENT DOC	UMENTS	
EXAMINER INITIALS	Cite No. ¹	<u>Foreign Patent Document</u> Country Code ³ - Number ¹ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T⁴ (✔)
				·	

		OTHER	DOCUMENTS	_
EXAMINER Cite Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, INITIALS No. symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
EXAMINER SIGNATURE		Lough Onodge	DATE CONSIDERED	11-3-2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. Inter Office that issued the document, by the two-letter code (WIPO standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

"Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TJD/sad

SAD PAS444234.1-*-6/24/02 3:01 PM

FÖRM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B

INFORMATION DISCUSSIFIE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	33683/TJD/T358
Application Number	10/018,923
Filing Date	December 19, 2001
Applicant(s)	Peter Knappe, et al.
Group Art Unit	Unknown 1723
Examiner Name	To Be Assigned PRODUCE

FOREIGN PATENT DOCUMENTS			Y 1 3 2002		
EXAMINER INITIALS	Cite No.1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	1700
JWD		EP 0 669 159 A1	08-30-1995	DIC Degrémont KK	
IWA		WO 95/32041	11-30-1995	Memtec America Corporation	
SND		JP 10235164 A	09-08-1998		Abstract

	OTHER DOCUMENTS			
EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
SWO		KOCH advertisement, ULTRAPURE WATER, May/June 1998		
TWO		KOCH Membrane Systems, Inc. Article - "RomiPure Ultrafiltration" - The Solution for Effective RO Pretreatment, KPN 0679197. 2 pgs., Pub Date Unknewn		
NO		IWAHORI, et al., "An Effective Method of Water Treatment with a Novel Back-washable Spiral-wound UF Module", pub. San Diego Proceedings, 1999, 12 pages		

EXAMINER SIGNATURE SIGNATURE DATE CONSIDERED 9/11/203

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ²Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

TJD/sad

SAD PAS420812.1.*-3/13/02 11:22 AM